

L Number	Hits	Search Text	DB	Time stamp
-	75793	400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.	USPAT; US-PGPUB	2003/04/02 09:37
-	388683	vibrating or vibration or agitate or agitating or oscillate or oscillating or oscillated or vibrated or agitated	USPAT; US-PGPUB	2003/04/01 16:30
-	1509	(vibrating or vibration or agitate or agitating or oscillate or oscillating or oscillated or vibrated or agitated) near4 (transport or transporting or transportation or feed or feeding or drive) near1 (roll or roller or means or section or unit or portion)	USPAT; US-PGPUB	2003/04/01 16:35
-	93	(400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and ((vibrating or vibration or agitate or agitating or oscillate or oscillating or oscillated or vibrated or agitated) near4 (transport or transporting or transportation or feed or feeding or drive) near1 (roll or roller or means or section or unit or portion))	USPAT; US-PGPUB	2003/04/02 07:46
-	6	("5000594" "5085423" "5094444" "5140214" "5153738" "5176376").PN.	USPAT	2003/04/01 16:55
-	2	5464291.URPN.	USPAT	2003/04/01 16:56
-	1	gb-2218047-\$.did.	EPO; JPO; DERWENT	2003/04/01 16:58
-	2	jp-03093481-\$.did.	EPO; JPO; DERWENT	2003/04/01 16:59
-	2	jp-03008670-\$.did.	EPO; JPO; DERWENT	2003/04/01 17:00
-	0	jp-0302078-\$.did.	EPO; JPO; DERWENT	2003/04/01 17:00
-	1	jp-63302078-\$.did.	EPO; JPO; DERWENT	2003/04/01 17:00
-	1	jp-63308670-\$.did.	EPO; JPO; DERWENT	2003/04/01 17:01
-	1	jp-63212571-\$.did.	EPO; JPO; DERWENT	2003/04/01 17:01
-	1	10/058,411	USPAT; US-PGPUB	2003/04/02 07:59
-	75793	400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.	USPAT; US-PGPUB	2003/04/02 07:59
-	240	solenoid with pressure near1 plate	USPAT; US-PGPUB	2003/04/02 07:59
-	18	(400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (solenoid with pressure near1 plate)	USPAT; US-PGPUB	2003/04/02 08:17
-	16254	(400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet)	USPAT; US-PGPUB	2003/04/02 08:42
-	51011	(pinch or nip or pressure) near1 (roll or roller)	USPAT; US-PGPUB	2003/04/02 08:18
-	2911	(pinch or nip or pressure) near1 (roll or roller) near4 (arm or lever or holder)	USPAT; US-PGPUB	2003/04/02 08:18
-	151	((400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet)) and ((pinch or nip or pressure) near1 (roll or roller) near4 (arm or lever or holder))	USPAT; US-PGPUB	2003/04/02 08:32
-	324	(feed or feeding or transportation or transporting or drive) near1 (roll or roller) near4 encoder	USPAT; US-PGPUB	2003/04/02 08:41
-	93	(400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and ((feed or feeding or transportation or transporting or drive) near1 (roll or roller) near4 encoder)	USPAT; US-PGPUB	2003/04/02 08:33
-	24106	(adjust\$ or correct or corrected or correcting or correction) near2 (roll or roller)	USPAT; US-PGPUB	2003/04/02 08:53
-	10	((400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and ((feed or feeding or transportation or transporting or drive) near1 (roll or roller) near4 encoder)) and ((adjust\$ or correct or corrected or correcting or correction) near2 (roll or roller))	USPAT; US-PGPUB	2003/04/02 08:38
-	2	ep-680829-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/02 08:38
-	1119	(feed or feeding or transportation or transporting or drive) near1 (roll or roller) and encoder near6 (roll or roller)	USPAT; US-PGPUB	2003/04/02 08:42

-	102	((400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet)) and ((feed or feeding or transportation or transporting or drive) near1 (roll or roller) and encoder near6 (roll or roller))	USPAT; US-PGPUB	2003/04/02 08:42
-	1513749	adjust\$ or correct or corrected or correcting or correction	USPAT; US-PGPUB	2003/04/02 08:53
-	75	((400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet)) and ((feed or feeding or transportation or transporting or drive) near1 (roll or roller) and encoder near6 (roll or roller))) and (adjust\$ or correct or corrected or correcting or correction)	USPAT; US-PGPUB	2003/04/02 09:19
-	104	(b41j\$.ipc. or b41j\$.epc.) and (roll or roller) near4 (encoder)	EPO; JPO; DERWENT	2003/04/02 09:20
-	120659	(adjust\$ or correct\$) near2 (position\$)	EPO; JPO; DERWENT	2003/04/02 09:20
-	2	((b41j\$.ipc. or b41j\$.epc.) and (roll or roller) near4 (encoder)) and ((adjust\$ or correct\$) near2 (position\$))	EPO; JPO; DERWENT	2003/04/02 09:20
-	16254	(400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet)	USPAT; US-PGPUB	2003/04/02 09:37
-	1728	(roll or roller) near4 (encoder)	USPAT; US-PGPUB	2003/04/02 09:37
-	4208	bubble with (inkjet or ink adj jet)	USPAT; US-PGPUB	2003/04/02 09:38
-	9	((400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet)) and ((roll or roller) near4 (encoder)) and (bubble with (inkjet or ink adj jet))	USPAT; US-PGPUB	2003/04/02 09:38
-	3155	((400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet)) and (bubble with (inkjet or ink adj jet))	USPAT; US-PGPUB	2003/04/02 09:38
-	250551	vibrat\$	USPAT; US-PGPUB	2003/04/02 11:27
-	41391	(head or printhead or cartridge).ti.	USPAT; US-PGPUB	2003/04/02 09:39
-	508	((400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet)) and (bubble with (inkjet or ink adj jet))) and vibrat\$ not ((head or printhead or cartridge).ti.)	USPAT; US-PGPUB	2003/04/02 09:39
-	4776	vibrat\$ near2 (roll or roll or transport\$ or feed or feeding)	USPAT; US-PGPUB	2003/04/02 09:39
-	3	((400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet)) and (bubble with (inkjet or ink adj jet))) and vibrat\$ not ((head or printhead or cartridge).ti.) and (vibrat\$ near2 (roll or roll or transport\$ or feed or feeding))	USPAT; US-PGPUB	2003/04/02 10:05
-	1	("5464291").PN.	USPAT; US-PGPUB	2003/04/02 10:19
-	1	("5451643").PN.	USPAT; US-PGPUB	2003/04/02 10:19
-	1	("5451043").PN.	USPAT; US-PGPUB	2003/04/02 10:49
-	1	("5620174").PN.	USPAT; US-PGPUB	2003/04/02 10:22
-	1	("5672019").PN.	USPAT; US-PGPUB	2003/04/02 10:22
-	1	("6092893").PN.	USPAT; US-PGPUB	2003/04/02 10:24
-	1	("6168270").PN.	USPAT; US-PGPUB	2003/04/02 10:24
-	1	("5947465").PN.	USPAT; US-PGPUB	2003/04/02 10:49
-	0	jp-07081786-\$.did.	USPAT; US-PGPUB;	2003/04/02 10:50
-	0	jp-07081766-\$.did.	EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/02 10:50

-	0	jp-07817660-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/02 10:50
-	0	jp-07817860-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/02 10:51
-	0	(b41j4.ipc. or b41j\$.epc.) and vibrat\$ near4 (feed or feeding or transport\$)	EPO; JPO; DERWENT	2003/04/02 10:52
-	863386	near1 (roll or roller or unit or means or section) roll or roller	EPO; JPO; DERWENT	2003/04/02 10:53
-	8	((b41j4.ipc. or b41j\$.epc.) and vibrat\$) and (roll or roller)	EPO; JPO; DERWENT	2003/04/02 10:53
-	254	(b41j4.ipc. or b41j\$.epc.) and vibrat\$	EPO; JPO; DERWENT	2003/04/02 10:57
-	116	((b41j4.ipc. or b41j\$.epc.) and vibrat\$) not (head or printhead).ti.	EPO; JPO; DERWENT	2003/04/02 10:58
-	9473	vibrat\$ with (roll or roller or (feed\$ or transport\$) near1 (section or mean or unit))	USPAT; US-PGPUB	2003/04/02 11:35
-	101	((400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet)) and (vibrat\$ with (roll or roller or (feed\$ or transport\$) near1 (section or mean or unit)))	USPAT; US-PGPUB	2003/04/02 11:53
-	2	jp-08108927-\$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/02 12:32
-	1	("6435641").PN.	USPAT; US-PGPUB	2003/04/02 14:00
-	31	merz-eric\$.in.	USPAT; US-PGPUB	2003/04/02 14:01
-	75793	400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.	USPAT; US-PGPUB	2003/04/02 15:18
-	33198	inkjet or ink adj jet	USPAT; US-PGPUB	2003/04/02 15:18
-	22	(scan or scanning or scanned) near2 (without) near1 (printing)	USPAT; US-PGPUB	2003/04/02 15:31
-	13	(400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet) and ((scan or scanning or scanned) near2 (without) near1 (printing))	USPAT; US-PGPUB	2003/04/02 15:31
-	10	(scan or scanning or scanned) near2 (without) near1 (printing)	EPO; JPO; DERWENT; IBM_TDB	2003/04/02 15:33
-	78	(traverse traversed traversing moving or move or transport\$ or scanning or scanned or scan) near1 (without) adj (printing or recording or printed or recorded)	USPAT; US-PGPUB	2003/04/02 15:46
-	72	((traverse traversed traversing moving or move or transport\$ or scanning or scanned or scan) near1 (without) adj (printing or recording or printed or recorded)) not ((400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet) and ((scan or scanning or scanned) near2 (without) near1 (printing)))	USPAT; US-PGPUB	2003/04/02 15:35
-	17	(400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet) and (((traverse traversed traversing moving or move or transport\$ or scanning or scanned or scan) near1 (without) adj (printing or recording or printed or recorded)) not ((400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet) and ((scan or scanning or scanned) near2 (without) near1 (printing))))	USPAT; US-PGPUB	2003/04/02 15:35
-	2642	vibrat\$ near2 (roll or roller)	USPAT; US-PGPUB	2003/04/02 15:46
-	21	(400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet) and (vibrat\$ near2 (roll or roller))	USPAT; US-PGPUB	2003/04/02 15:54
-	567	carriage near2 vibrat\$	USPAT; US-PGPUB	2003/04/02 16:00
-	128	(400/\$.ccls. or 347/\$.ccls. or 271/\$.ccls.) and (inkjet or ink adj jet) and (carriage near2 vibrat\$)	USPAT; US-PGPUB	2003/04/02 16:01
-	23151	b41j\$.ipc. or b41j\$.epc.	USPAT; US-PGPUB	2003/04/02 16:01

-	250551	vibrat\$	USPAT;	2003/04/02 16:01
-	361412	vibrat\$	US-PGPUB	2003/04/02 16:01
-	290354	b41j\$.ipc. or b41j\$.epc.	EPO; JPO;	2003/04/02 16:02
-	6621	vibrat\$ and (b41j\$.ipc. or b41j\$.epc.)	DERWENT	2003/04/02 16:02
-	163962	inkjet or ink adj jet or b41j002/\$.ipc. or b41j002/\$.epc.	EPO; JPO;	2003/04/02 16:02
-	4501	(vibrat\$ and (b41j\$.ipc. or b41j\$.epc.)) and (inkjet or ink adj jet or b41j002/\$.ipc. or b41j002/\$.epc.)	DERWENT	2003/04/02 16:10
-	39439	vibrat\$ near4 (carriage or roll or roller or feeding or feed or driving or drive or motor)	EPO; JPO;	2003/04/02 16:11
-	576	((vibrat\$ and (b41j\$.ipc. or b41j\$.epc.)) and (inkjet or ink adj jet or b41j002/\$.ipc. or b41j002/\$.epc.)) and (vibrat\$ near4 (carriage or roll or roller or feeding or feed or driving or drive or motor))	DERWENT	2003/04/02 16:12
-	298456	head.ti. or printhead.ti.	EPO; JPO;	2003/04/02 16:12
-	372	((vibrat\$ and (b41j\$.ipc. or b41j\$.epc.)) and (inkjet or ink adj jet or b41j002/\$.ipc. or b41j002/\$.epc.)) and (vibrat\$ near4 (carriage or roll or roller or feeding or feed or driving or drive or motor))) not (head.ti. or printhead.ti.)	DERWENT	2003/04/02 16:21
-	1	cleaning near1 (nozzle or head or printhead) near1 before near1 (printing or recording)	EPO; JPO;	2003/04/02 16:22
-	2	(cleaning or recovery near1 statino or cleaned or clean or capping) near1 (nozzle or head or printhead) near1 before near1 (printing or recording)	DERWENT	2003/04/02 16:29
-	1	("6152626").PN.	EPO; JPO;	2003/04/02 16:23
-	341	(cleaning or recovery near1 statino or cleaned or clean or capping) near1 (nozzle or head or printhead) near2 (printing or recording)	USPAT;	2003/04/02 16:30
-	341	(cleaning or recovery near1 station cleaned or clean or capping) near1 (nozzle or head or printhead) near2 (printing or recording)	US-PGPUB	2003/04/02 16:31
-	40	(move or moving or moved or transport or transporting or transported) near1 (carriage or head or printhead) and (cleaning or recovery near1 station cleaned or clean or capping) near1 (nozzle or head or printhead) near2 (printing or recording)	EPO; JPO;	2003/04/02 16:34
-	5955	first near2 (clean or cleaning or cap or capped or capping or recovery or recovering)	DERWENT	2003/04/02 16:33
-	161	(b41j\$.ipc. or b41j\$.epc.) and (first near2 (clean or cleaning or cap or capped or capping or recovery or recovering))	EPO; JPO;	2003/04/02 16:34
			DERWENT	